Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4981	leung$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:19
L2	47	leung-kin$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:19
L3	20	chawla-kapil$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:19
L4	17	driessen-peter$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:20
L5	1	qui-xiaoxin$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:20
L6	8732	at&t$.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:20
L7	8784	l2 or l3 or l4 or l5 or l6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:20
L8	4	l7 and link adj adaptation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:24
L9	158	l7 and power adj control$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:25
L10	0	l9 and signal adj to adj noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:21

L11	0	l9 and signal adj to adj2 noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:25
L12	29	l9 and signal adj3 noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:23
L13	7888	709/230-238.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:23
L14	1330	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:23
L15	0	"709".201-203.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:24
L16	8278	709/201-203.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:24
L17	22263	709/217-229.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:24
L18	32560	l13 or l14 or l16 or l17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:24
L19	11	l18 and link adj adaptation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:31
L20	347	l18 and power adj control$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:31

L21	0	l19 and signal adj to adj2 noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:25
L22	0	l20 and signal adj to adj2 noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:25
L23	32	l20 and signal adj3 noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:26
L24	1281	370/329.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:26
L25	2469	370/252.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:26
L26	506	370/310.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:26
L27	1388	370/328.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:26
L28	1281	370/329.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:26
L29	1144	370/331.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:27
L30	634	370/332.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:27

L31	178	370/333.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:27
L32	209	370/334.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:27
L33	288	370/341.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:27
L34	384	370/431.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:27
L35	1787	370/465.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:27
L36	1906	370/468.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:29
L37	1640	455/423-425.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:30
L38	4133	455/434,450-453,464,509,510.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:30
L39	15803	l24 or l25 or l26 or l27 or l28 or l29 or l30 or l31 or l32 or l33 or l34 or l35 or l36 or l37 or l38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:31
L40	172	l39 and link adj adaptation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:35

L41	73	l40 and power adj control$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:32
L42	0	364/574,572.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:32
L43	0	364/574.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:32
L44	0	364/572.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:33
L45	421	375/262.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:33
L46	5039	375/262,265,325,340,341,261,296, 272,303,325,340,341.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:40
L47	5039	l45 or l46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:34
L48	12	l47 and link adj adaptation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:41
L49	2140	714/791-795.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:36
L50	0	l49 and link adj adaptation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:36

L51	3989	375/130,144,346,347.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:41
L52	7	l51 and link adj adaptation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/08 19:41
S1	387	signal adj2 interference adj plus adj noise adj ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:28
S2	59	S1 same error adj rate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:28
S3	22	S2 and wireless and stream$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:34
S4	18	S3 and SINR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:52
S5	93	BER near3 combin$6 near3 BER	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:53
S6	0	BER near3 combin$6 near3 SINR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:53
S7	21	BER same combin$6 same SINR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:53
S8	0	BER near5 combin$6 near5 SINR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:54

S9	3	BER near10 combin$6 near10 SINR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:56
S10	0	leung-kin.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:57
S11	2	chawla-kapil.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:57
S12	46	leung-kin$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:57
S13	20	chawla-kapil$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:57
S14	17	driessen-peter$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:57
S15	41	qiu-xiaoxin$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:57
S16	40	l11-l15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:58
S17	107	S11 or S12 or S13 or S14 or S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:58
S18	0	S17 and streaming adj service	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 14:58

S19	3	S17 and stream$5 and link adj adaptation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:17
S20	43	PER near5 SINR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:22
S21	43	S20 and wireless	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:24
S22	0	S21 and music	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:22
S23	0	S21 and MPEG4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:22
S24	0	S20 and error adj based	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:24
S25	7	S20 and error near2 based	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:38
S26	6	link adj adaptation and modulation and coding adj level	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:43
S27	0	predicted adj interference adj power adj level	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:43
S28	3	predict$5 near5 interference adj power adj level	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:45

S29	106	(MPEG4 or MPEG adj "4") near5 (AAC or (Advanced adj audio adj coder))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:46
S30	1	S29 and EGPRS	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:47
S31	0	S29 and link adj adaptation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:47
S32	0	S29 and SINR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:47
S33	43	S29 and PER	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:48
S34	10	S33 and streaming	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:47
S35	43	S29 and PER	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:50
S36	41	packet adj switched adj bearers	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:54
S37	0	S36 and error near5 concealment near5 technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:51
S38	272	error near5 concealment near5 technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:51

S39	215	error adj concealment adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:51
S40	21	S39 and receiving adj end	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:52
S41	4	S39 same receiving adj end	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:52
S42	6	S36 same stream$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 15:57
S43	9	EGPRS and power adj3 technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:03
S44	1	EGPRS and signal adj path adj gain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:04
S45	2	SINR same signal adj path adj gain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:08
S46	3	SINR and signal adj path adj gain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:10
S47	8	SINR same path adj gain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 16:20
S48	1	("6374117").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/24 17:14
S49	1	("6760313").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/24 17:32

S50	0	music adj delivery adj service and SINR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 17:33
S51	44	music adj delivery adj service	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 17:36
S52	3	S51 and cellular	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 17:33
S53	0	S51 and MPEG4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 17:34
S54	1	S51 and MPEG adj "4"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 17:34
S55	10	S51 and wireless	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 17:51
S56	1	("6856812").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/24 17:57
S57	1	("6282209").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/24 18:19
S58	1	("5901186").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/24 18:26
S59	2	(("5901186") or ("6,760,313")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/24 18:28
S60	19	interval same power adj control adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:28
S61	19	S60 and intervals same power adj control adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:28

S62	2	S60 and intervals same power adj control adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:34
S63	0	intervals same link adj adaptation adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:35
S64	0	periodic same link adj adaptation adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:35
S65	8	intervals and link adj adaptation adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:37
S66	29	intervals and link adj adaptation adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:37
S67	0	intervals same periodic and link adj adaptation adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:37
S68	5	intervals and periodic and link adj adaptation adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:43
S69	61	link adj adaptation adj technique	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:43
S70	1130612	S69 and period$5 or interval	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:43
S71	47	S69 and (period$5 or interval)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:43

S72	33	S69 and (periodic or interval)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:44
S73	9	S69 and (periodic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:45
S74	24	S72 not S73	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:51
S75	230	signal adj path adj gain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 18:51
S76	197	signal adj path adj gain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:51
S77	4	S76 and transmission adj power adj level	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:52
S78	2647208	S77 and predicted adj interference adj power level	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:52
S79	4	S77 and (predicted adj interference adj power level)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:53
S80	0	S77 and (predicted adj interference adj power adj level)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:53
S81	0	(predicted adj interference adj power adj level)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:53

S82	140	(interference adj power adj level)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:53
S83	1	S77 and (interference adj power adj level)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 18:59
S84	2	predict$5 near5 (interference adj power adj level)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:08
S85	79	maximum adj transmission adj power adj level	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:10
S86	1	S85 and SINR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:09
S87	42	S85 and wireless	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:09
S88	3	S87 and signal adj path	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:09
S89	3	(US-20050135312-$).did. or (US-6952181-$ or US-6657214-$). did.	US-PGPUB; USPAT	OR	ON	2005/10/24 19:10
S90	3	S89 and maximum adj transmission adj power adj level	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:24
S91	55	SIPNR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:24

S92	192	signal adj interference adj plus adj noise adj ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:33
S93	94	S92 and error adj rate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:27
S94	0	S93 and signal adj path adj gain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:26
S95	1	S93 and maximum adj transmission adj power adj level	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:26
S96	13	S93 and predict$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:27
S97	13	(US-20050068922-$ or US-20040208251-$ or US-20030086366-$ or US-20020186761-$ or US-20020093926-$ or US-20020075830-$ or US-20020067761-$).did. or (US-6882678-$ or US-6463295-$ or US-6389066-$ or US-6215827-$ or US-6108374-$ or US-5886988-$). did.	US-PGPUB; USPAT	OR	ON	2005/10/24 19:45
S98	13	S97 and signal adj interference adj plus adj noise adj ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:43
S99	4	divid$5 same interference adj power adj level	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/24 19:44
S100	11	S92 near5 estimat$5	US-PGPUB; USPAT	OR	ON	2005/10/24 19:45
S101	1	("5778224").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/26 16:02
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S104	1	("6223274").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/27 17:56
S105	1	("6,751,663").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/27 17:56
S106	1	("6,625,657").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/27 17:57
S107	1	("6,405,251").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/27 17:57

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1 Low power error control for wireless links
Paul Lettieri, Christina Fragouli, Mani B. Srivastava
September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available: pdf(1.97 MB) Additional Information: full citation, references, citings, index terms

2 Adaptive link layer strategies for energy efficient wireless networking
Paul Lettieri, Curt Schurgers, Mani Srivastava
October 1999 **Wireless Networks**, Volume 5 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: pdf(611.81 KB) Additional Information: full citation, references, citings, index terms

3 Power modeling and optimization for embedded systems: Requirement-based design methods for adaptive communications links
Juan Antonio Carballo, Kevin Nowka, Seung-Moon Yoo, Ivan Vo, Clay Cranford, Robert Norman
June 2004 **Proceedings of the 41st annual conference on Design automation**
Publisher: ACM Press
Full text available: pdf(425.09 KB) Additional Information: full citation, abstract, references, index terms

High-speed communications link cores must consume low-power, feature low bit-error-rates (BER), and address many applications. We present a methodology to design adaptive link architectures, whereby the link's internal logic complexity, frequency, and supply are simultaneously adapted to application requirements. The requirement space is mapped to the design space using requirements measurement circuits and configurable logic blocks. CMOS results indicate that power savings of 60 versus the wors ...

Keywords: communication architectures, energy efficient design

4 Channel access algorithms with active link protection for wireless communication networks with power control
Nicholas Bambos, Shou C. Chen, Gregory J. Pottie
October 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 5
Publisher: IEEE Press
Full text available: pdf(339.62 KB) Additional Information: full citation, references, citings, index terms

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1 Link and channel measurement: A simple mechanism for capturing and replaying wireless channels
Glenn Judd, Peter Steenkiste
August 2005 **Proceeding of the 2005 ACM SIGCOMM workshop on Experimental approaches to wireless network design and analysis E-WIND '05**
Publisher: ACM Press
Full text available: pdf(6.06 MB) Additional Information: full citation, abstract, references, index terms

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the possibility of using on-card signal strength measurements to capture wireless channel traces. A key advantage of this approach is the simplicity and ubiquity with which these measurements can be obtained since virtually all wireless devices provide the req ...

Keywords: channel capture, emulation, wireless

2 System architectures for computer music
John W. Gordon
June 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 2
Publisher: ACM Press
Full text available: pdf(4.61 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Computer music is a relatively new field. While a large proportion of the public is aware of computer music in one form or another, there seems to be a need for a better understanding of its capabilities and limitations in terms of synthesis, performance, and recording hardware. This article addresses that need by surveying and discussing the architecture of existing computer music systems. System requirements vary according to what the system will be used for. Common uses for co ...

3 Special issue on knowledge representation
Ronald J. Brachman, Brian C. Smith
February 1980 **ACM SIGART Bulletin**, Issue 70
Publisher: ACM Press
Full text available: pdf(13.13 MB) Additional Information: full citation, abstract

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation

Terms used **link adaptation power control combination** Found **4,708** of **166,357**

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1 Low power error control for wireless links
Paul Lettieri, Christina Fragouli, Mani B. Srivastava
September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available: pdf(1.97 MB) Additional Information: full citation, references, citings, index terms

2 Adaptive link layer strategies for energy efficient wireless networking
Paul Lettieri, Curt Schurgers, Mani Srivastava
October 1999 **Wireless Networks**, Volume 5 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: pdf(611.81 KB) Additional Information: full citation, references, citings, index terms

3 Performance of a cooperative algorithm for power control in cellular systems with a time-varying link gain matrix
Chi Wan Sung, Wing Shing Wong
December 2000 **Wireless Networks**, Volume 6 Issue 6
Publisher: Kluwer Academic Publishers
Full text available: pdf(222.89 KB) Additional Information: full citation, abstract, references, index terms

A new version of the Cooperative Algorithm is proposed for distributed power control in time‐varying cellular environment. Unlike other approaches which assume a fixed link gain matrix, we consider a time‐varying model for shadow fading. We consider the performance of three schemes, namely, instantaneous SIR balancing, slow path loss compensation and the Cooperative Algorithm. Analytical results are obtained for the case where there are two cochannel users. We have shown that the se ...

4 Channel access algorithms with active link protection for wireless communication networks with power control
Nicholas Bambos, Shou C. Chen, Gregory J. Pottie
October 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 5
Publisher: IEEE Press
Full text available: pdf(339.62 KB) Additional Information: full citation, references, citings, index terms

Keywords: admission control, multiple access, power control, radio channel access,

wireless networks

5 Radio resource management: Rate and power control on a reverse link for multi-cell mobile data networks

Wiklom Teerpabkajorndet, Prashant Krishnamurthy

October 2004 **Proceedings of the 7th ACM international symposium on Modeling, analysis and simulation of wireless and mobile systems**

Publisher: ACM Press

Full text available: pdf(369.12 KB) Additional Information: full citation, abstract, references, index terms

Rate and power control are extremely important in determining the quality of service and radio resource utilization in mobile data networks. In the literature, the rate is assigned such that the system throughput is maximized and the transmit power at the mobile station (MS) is controlled in order to maintain a signal to interference ratio (SIR) that can provide a 1% frame error rate at the base station (BS). When the objective of radio resource allocation is the maximization of the system throu ...

Keywords: game theory, power control, radio resource management, rate control, wireless data networks

6 Mobile wireless networks: Adaptive range control using directional antennas in mobile ad hoc networks

Mineo Takai, Junlan Zhou, Rajive Bagrodia

September 2003 **Proceedings of the 6th ACM international workshop on Modeling analysis and simulation of wireless and mobile systems**

Publisher: ACM Press

Full text available: pdf(279.04 KB) Additional Information: full citation, abstract, references, index terms

This paper presents ARC (Adaptive Range Control), a communication range control mechanism using directional antennas to be implemented across multiple layers. ARC uses directional reception for range control rather than directional transmission such that extended communication links do not increase interference to other ongoing communications. It adaptively controls the communication range by estimating dynamically changing local network density based on the transmission activities around each n ...

Keywords: cross-layer interactions, directional antenna systems, mobile ad hoc networks

7 Power control for link quality protection in cellular DS-CDMA networks with integrated (packet and circuit) services

Deepak Ayyagari, Anthony Ephremides

November 2002 **Wireless Networks**, Volume 8 Issue 6

Publisher: Kluwer Academic Publishers

Full text available: pdf(135.95 KB) Additional Information: full citation, abstract, references, index terms

The problem of admission control in a DS-CDMA network carrying a heterogeneous mix of traffic is addressed. In an interference limited system such as DS-CDMA, admission of a new user impacts the performance of all other users, as well as the system capacity. The admission process is concerned with two factors: (1) maintaining the QoS of active users, (2) allocating bandwidth to new users. We propose a simple power control algorithm and prove that it is optimal in the sense of maintaining active ...

Keywords: CDMA, admission control, cellular, integrated services, resource allocation

8 Open-loop power control performance in DS-CDMA networks with frequency

selective fading and non-stationary base stations
A. Chockalingam, Laurence B. Milstein
March 1998 **Wireless Networks**, Volume 4 Issue 3
Publisher: Kluwer Academic Publishers
Full text available: pdf(340.88 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper, we study the performance of a simple and easy-to-implement distributed power control strategy applicable to direct sequence code division multiple access (DS-CDMA) networks. The scheme makes use of the received power measurements made on the forward link at individual mobile units to control the transmit powers on their reverse links. The algorithm, which effectively compensates for the slowly varying distance and shadow losses (due to their high correlation on both forward a ...

9 Call admission policies based on calculated power control setpoints in SIR-based power-controlled DS-CDMA cellular networks
Derong Liu, Yi Zhang, Sanqing Hu
July 2004 **Wireless Networks**, Volume 10 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: pdf(225.46 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we develop call admission control algorithms for SIR-based power-controlled DS-CDMA cellular networks. We consider networks that handle both voice and data services. When a new call (or a handoff call) arrives at a base station requesting for admission, our algorithms will calculate the desired power control setpoints for the new call and all existing calls. We will provide necessary and sufficient conditions under which the power control algorithm will have a feasible solution. T ...

Keywords: CDMA, call admission control, cellular networks, power control, wireless networks

10 Link capacity allocation and network control by filtered input rate in high-speed networks
San-Qi Li, Song Chong, Chia-Lin Hwang
February 1995 **IEEE/ACM Transactions on Networking (TON)**, Volume 3 Issue 1
Publisher: IEEE Press
Full text available: pdf(1.90 MB) Additional Information: full citation, references, citings, index terms

11 Multimedia communication: Media and data traffic coexistence in power-controlled wireless networks
Savvas Gitzenis, Nicholas Bambos
October 2005 **Proceedings of the 1st ACM workshop on Wireless multimedia networking and performance modeling WMuNeP '05**
Publisher: ACM Press
Full text available: pdf(369.11 KB) Additional Information: full citation, abstract, references, index terms

A key issue in wireless multimedia networking regards the

12 Wireless LAN optimizations: MiSer: an optimal low-energy transmission strategy for IEEE 802.11a/h

Daji Qiao, Sunghyun Choi, Amit Jain, Kang G. Shin

September 2003 **Proceedings of the 9th annual international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available: pdf(248.70 KB) Additional Information: full citation, abstract, references, citings, index terms

Reducing the energy consumption by wireless communication devices is perhaps the most important issue in the widely-deployed and exponentially-growing IEEE 802.11 Wireless LANs (WLANs). TPC (Transmit Power Control) and PHY (physical layer) rate adaptation have been recognized as two most effective ways to achieve this goal. The emerging 802.11h standard, which is an extension to the current 802.11 MAC and the high-speed 802.11a PHY, will provide a structured means to support intelligent TPC.In t ...

Keywords: IEEE 802.11a/h, MiSer, PHY rate adaptation, TPC

13 System-level power optimization: techniques and tools

Luca Benini, Giovanni de Micheli

April 2000 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 5 Issue 2

Publisher: ACM Press

Full text available: pdf(385.22 KB) Additional Information: full citation, abstract, references, citings, index terms

This tutorial surveys design methods for energy-efficient system-level design. We consider electronic sytems consisting of a hardware platform and software layers. We consider the three major constituents of hardware that consume energy, namely computation, communication, and storage units, and we review methods of reducing their energy consumption. We also study models for analyzing the energy cost of software, and methods for energy-efficient software design and compilation. This survery ...

14 A Survey of Energy Efficient Network Protocols for Wireless Networks

Christine E. Jones, Krishna M. Sivalingam, Prathima Agrawal, Jyh Cheng Chen

September 2001 **Wireless Networks**, Volume 7 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: pdf(271.55 KB) Additional Information: full citation, abstract, references, citings, index terms

Wireless networking has witnessed an explosion of interest from consumers in recent years for its applications in mobile and personal communications. As wireless networks become an integral component of the modern communication infrastructure, energy efficiency will be an important design consideration due to the limited battery life of mobile terminals. Power conservation techniques are commonly used in the hardware design of such systems. Since the network interface is a significant consumer o ...

Keywords: energy efficient design, low-power design, mobile computing, network protocols,, power aware protocols, wireless networks

15 A utility-based power-control scheme in wireless cellular systems

Mingbo Xiao, Ness B. Shroff, Edwin K. P. Chong

April 2003 **IEEE/ACM Transactions on Networking (TON)**, Volume 11 Issue 2

Publisher: IEEE Press

Full text available: pdf(650.72 KB) Additional Information: full citation, abstract, references, citings, index terms

Distributed power-control algorithms for systems with hard signal-to-interference ratio (SIR) constraints may diverge when infeasibility arises. In this paper, we present a

power-control framework called utility-based power control (UBPC) by reformulating the problem using a softened SIR requirement (utility) and adding a penalty on power consumption (cost). Under this framework, the goal is to maximize the net utility, defined as utility minus cost. Although UBPC is still noncooperative and dis ...

Keywords: Nash equilibrium, Pareto optimal, admission control, cellular system, distributed algorithm, fairness, power control, robustness, signal-to-interference ratio (SIR), stability, utility function, wireless

16 Combined Dynamic Voltage Scaling and Adaptive Body Biasing for Heterogeneous Distributed Real-time Embedded Systems

Le Yan, Jiong Luo, Niraj K. Jha

November 2003 **Proceedings of the 2003 IEEE/ACM international conference on Computer-aided design**

Publisher: IEEE Computer Society

Full text available: pdf(206.16 KB) Additional Information: full citation, abstract, citings, index terms

Dynamic voltage scaling (DVS) is a powerful technique for reducingdynamic power consumption in a computing system. However, astechnology feature size continues to scale, leakage power is increasing and willlimit power savings obtained by DVS alone. Previous system-level real-timescheduling approaches use DVS alone to optimize power consumption withoutconsidering leakage power. To overcome this limitation, we propose a newscheduling algorithm that combines DVS and adaptive body biasing (ABB)to si ...

17 Special issue: AI in engineering

D. Sriram, R. Joobbani

April 1985 **ACM SIGART Bulletin**, Issue 92

Publisher: ACM Press

Full text available: pdf(8.79 MB) Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

18 Link and channel measurement: A simple mechanism for capturing and replaying wireless channels

Glenn Judd, Peter Steenkiste

August 2005 **Proceeding of the 2005 ACM SIGCOMM workshop on Experimental approaches to wireless network design and analysis E-WIND '05**

Publisher: ACM Press

Full text available: pdf(6.06 MB) Additional Information: full citation, abstract, references, index terms

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the possibility of using on-card signal strength measurements to capture wireless channel traces. A key advantage of this approach is the simplicity and ubiquity with which these measurements can be obtained since virtually all wireless devices provide the req ...

Keywords: channel capture, emulation, wireless

19 Pen computing: a technology overview and a vision

André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Publisher: ACM Press

Full text available: pdf(5.14 MB) Additional Information: full citation, abstract, citings, index terms

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

20 Information systems outsourcing: a survey and analysis of the literature

Jens Dibbern, Tim Goles, Rudy Hirschheim, Bandula Jayatilaka
November 2004 **ACM SIGMIS Database**, Volume 35 Issue 4

Publisher: ACM Press

Full text available: pdf(1.51 MB) Additional Information: full citation, abstract, references

In the last fifteen years, academic research on information systems (IS) outsourcing has evolved rapidly. Indeed the field of outsourcing research has grown so fast that there has been scant opportunity for the research community to take a collective breath, and complete a global assessment of research activities to date. This paper seeks to address this need by exploring and synthesizing the academic literature on IS outsourcing. It offers a roadmap of the IS outsourcing literature, highligh ...

Keywords: determinants, literature review, outcomes, outsourcing, relationships, research approaches, theoretical foundations

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1. **Link adaptation and power control for streaming services in EGPRS wireless networks**
Leung, K.K.; Driessen, P.F.; Chawla, K.; Xiaoxin Qiu;
Selected Areas in Communications, IEEE Journal on
Volume 19, Issue 10, Oct. 2001 Page(s):2029 - 2039
Digital Object Identifier 10.1109/49.957316
AbstractPlus | References | Full Text: PDF(176 KB) IEEE JNL

2. **Application of a perceptual speech quality metric for link adaptation in wireless systems**
Rohani, B.; Zepernick, H.-J.;
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20-22 Sept. 2004 Page(s):260 - 264
Digital Object Identifier 10.1109/ISWCS.2004.1407249
AbstractPlus | Full Text: PDF(592 KB) IEEE CNF

3. **Optimal link adaptation in wideband CDMA systems**
Holliday, T.; Goldsmith, A.; Glynn, P.;
Global Telecommunications Conference, 2002. GLOBECOM '02. IEEE
Volume 1, 17-21 Nov. 2002 Page(s):721 - 726 vol.1
AbstractPlus | Full Text: PDF(544 KB) IEEE CNF

4. **Traffic load based reverse link power allocation for cellular packet data systems**
Prakash, R.; Veeravalli, V.V.;
Vehicular Technology Conference, 2002. Proceedings. VTC 2002-Fall. 2002 IEEE 56th
Volume 4, 24-28 Sept. 2002 Page(s):2332 - 2336 vol.4
Digital Object Identifier 10.1109/VETECF.2002.1040637
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5. **Throughput calculation in a HIPERLAN type 2 network considering power control and link adaptation**
Radimirsch, M.; Jobmann, K.;
Wireless Communications, IEEE Transactions on
Volume 4, Issue 4, July 2005 Page(s):1798 - 1807
Digital Object Identifier 10.1109/TWC.2005.850312
AbstractPlus | Full Text: PDF(296 KB) IEEE JNL

6. **Downlink joint rate and power allocation in cellular multirate WCDMA systems**
Dong In Kim; Hossain, E.; Bhargava, V.K.;
Wireless Communications, IEEE Transactions on
Volume 2, Issue 1, Jan. 2003 Page(s):69 - 80
Digital Object Identifier 10.1109/TWC.2002.806366
AbstractPlus | References | Full Text: PDF(708 KB) IEEE JNL

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